Date December 8, 2010

| Under the Paperw  | ork Reduction Act of 199                      | 5 no persons largues   | owed to r  | U.S. Paten<br>espond to a collectio     | s and Trade<br>in of inform | mark Office; U.S. C<br>effort unless it displi- | DEPARTMENT OF COMMERCA<br>ays, a voile CRAB control Humber |  |
|---|---|--|------------|---|-----------------------------|---|--|--|
| Effective on 12/08/2004   |   |  |            | Complete if Known                       |                             |   |  |  |
|   | _ L   L   / \ \   \ \   \   \   \   \   \   \ |  |            |   | mber 1                      | 0/568.102                                       | Conf. No.: 7812  |  |
| ree   | IKAN  | SIVILLEA   | ٩L         | Filing Date                             | J                           | anuary 23, 2007                                 |  |  |
|   | For FY 2                                      | 009  |            | First Named In                          | ventor E                    | ila Marjatta PiiRi                              | OMEN   |  |
|   |   |  |            | Examiner Nam                            | e S                         | . Sasaki  |  |  |
| Applicant claims small entity status. See 37 CFR 1,27   |   |  |            | Art Unit                                | 1                           | 1773  |  |  |
| TOTAL AMOUNT OF PAYMENT (\$) 1,170.00   |   |  |            | Attorney Docke                          | it No. 0                    | 0696-0231PUS1                                   |  |  |
| METHOD OF P   | AYMENT (check a                               | ll that apply)   |            |   |                             |   |  |  |
| Check _   | Credit Card                                   | Money Order  | No         | e Dother                                | olease iden                 | tiiva)  |  |  |
| ✓ Deposit Account Deposit Account Number, 02-2448  Deposit Account Name, Birch, Stewart, Kolasch & Birch, LLF  Deposit Account Name, Birch, Stewart, Kolasch & Birch, LLF  Deposit Account Name, Birch, Stewart, Kolasch & Birch, LLF  Deposit Account Name, Birch, Stewart, Kolasch & Birch, LLF  Deposit Account Name, Birch, Stewart, Kolasch & Birch, LLF  Deposit Account Name, Birch, Stewart, Kolasch & Birch, LLF  Deposit Account Name, Birch, Stewart, Kolasch & Birch, LLF  Deposit Account Name, Birch, Stewart, Kolasch & Birch, LLF  Deposit Account Name, Birch, Stewart, Kolasch & Birch, LLF  Deposit Account Name, Birch, Stewart, Kolasch & Birch, LLF  Deposit Account Name, Birch, Stewart, Kolasch & Birch, LLF  Deposit Account Name, Birch, Stewart, Kolasch & Birch, LLF  Deposit Account Name, Birch, Stewart, Kolasch & Birch, LLF  Deposit Account Name, Birch, Stewart, Kolasch & Birch, Stewart, Ko |   |  |            |   |                             |   |  |  |
| For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)  |   |  |            |   |                             |   |  |  |
|   |   |  |            |   |                             |   |  |  |
| Seement   |   |  | anto of fa |   |                             |   | xcept for the filing ree                                   |  |
| ن استا  | er 37 CFR 1,16 and 1                          | .17  |            | Creati                                  |                             |   |  |  |
| (ARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  |   |  |            |   |                             |   |  |  |
| FEE CALCULA   | TION  | ***************************************  |            | *************************************** |                             | ***************************************         | ***************************************                    |  |
| . BASIC FILIN   | G, SEARCH, AND                                | EXAMINATION  | FEES       |   |                             | ***************************************         | ***************************************                    |  |
| FILING FEES SEAR  |   |  |            |   | EXAM                        |   | i  |  |
| Application T   | VPG Fee (\$)                                  | Fee (\$)   | Fee (\$    |   | Fee (                       | Small Entity  Fee (\$)                          | Fees Paid (\$)   |  |
| Utility   | 330   | 165  | 540        | 270                                     | 220                         | 110   |  |  |
| Design  | 220   | 110  | 100        | 50                                      | 140                         | 70  | ************************                                   |  |
| Plant   | 220   | 110  | 330        | 165                                     | 170                         | 85  | *******************  |  |
| Reissue   | 330   | 165  | 540        | 270                                     | 650                         | 325   |  |  |
| Provisional   | 220   | 110  | 0          | 0                                       | 0                           | 0   |  |  |
| 2. EXCESS CL<br>Fee Descriptio  | Ω   | Paiernach  |            |   |                             | Fee (\$)  | Small Entity Fee (S)                                       |  |
|   | 220   110   330   165   170   85              |  |            |   |                             |   |  |  |
| Multiple dependent claims 390 195   |   |  |            |   |                             | 195   |  |  |
| Total Claims  |   |  |            |   |                             |   |  |  |
| HP = hignest num  | J or HP = U<br>over of total claims paid fo   | z. if greater than 20  |            | 0.00                                    |                             | Fee (\$)  | Fee Pald (\$)  |  |
| Indep. Claims   | Extra Clair                                   | ns Fee (\$)  |            |   |                             | ***************************************         |  |  |
| 2 - 3 - 19P = highest numi  | per of independent claim                      | X<br>∋ paid for, if preater th   |            | 0.00                                    |                             |   |  |  |
| . APPLICATION SIZE FEE  |   |  |            |   |                             |   |  |  |
| listings und  | let 37 CFR 1.52(e)                            | ), the application   | size fe    | e due is \$270 (\$                      | 135 for s                   | mall entity) fo                                 | r each additional 50                                       |  |
| sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR (.16(s),   |   |  |            |   |                             |   |  |  |
| 10tal Silegia   |   |  | 0          | _ (round up to a v                      | vhole num                   | ber) x  | ≈ 0.00<br>≈ 0.00   |  |
| OTHER FEE(S   |   |  |            |   |                             |   | Fees Paid (\$)   |  |
| Other (e.g., tare filing surcharge): 1801 - RCE Fling Fee: \$810 / 1252 - 2 mo. EOT 1,170,00  |   |  |            |   |                             |   |  |  |
| BMITTED BY  |   | ANSMITTAL  FY 2009  ANSMITTAL  FY 2009  ANSMITTAL  FRIED TABLE SECTION STATES AND STATES |            |   |                             |   |  |  |
|   | 7VY   |  |            | Registration No. 4                      | 0089                        | Telepho   | one 703-205-8000   |  |
|   |   |  |            |   |                             |   |  |  |

The collection of electrometric required by 37 CEP 1.138. The information is required to obtain or rotatin a beneafit by the public which is to file (and by the USEY OF product) an application. Confidentially in presence by 35 CEA, 5.12 and 3 COP 2.14. This collection is established to labe at the USEY OF production of the public of the CEA, 5.12 and 5 COP 2.14. The collection is established to labe at the confidential confidence of the CEA, 5.12 and 5 COP 2.14. The collection is established for the collection of the CEA, 5.12 and 5 COP 2.14. The collection is established for the collection of the collection of the collection of the CEA, 5.12 and 5 COP 2.14. The collection is established for the collection of the collectio

Œ.

Name (Print/Type) MaryAnne Armstrong, PhD